



---

---

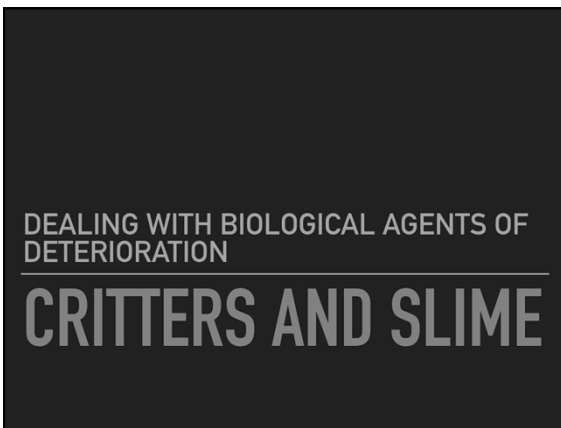
---

---

---

---

---



---

---

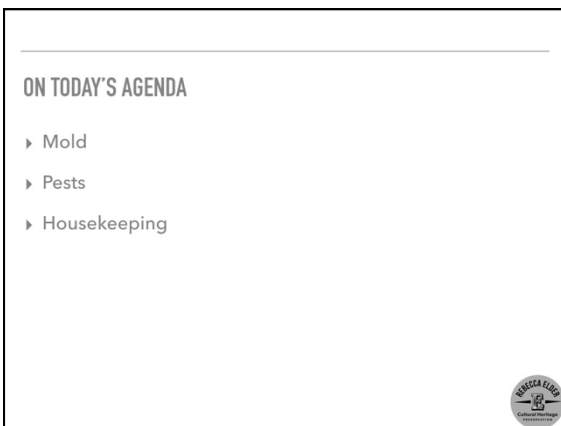
---

---

---

---

---



---

---

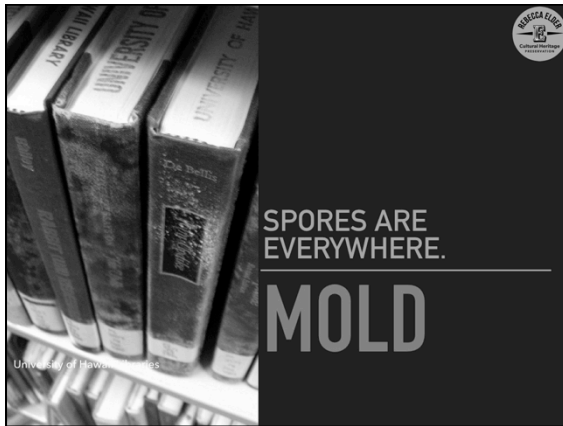
---

---

---

---

---



---

---

---

---


---

---

---

**MOLD FACTS**

- ▶ There are over 100,000 known species of mold and mildew.
- ▶ Mold grows on any organic material, including paper, adhesives, leather, dust and dirt.
- ▶ Many molds contain substances that can stain paper, cloth or leather.



---

---

---

---

---

---

---

**MOLD GROWS WHEN RH IS GREATER THAN 65% FOR MORE THAN 72 HOURS. MOLD GROWS FASTER WHEN TEMPERATURE IS WARM.**

All mold problems are environmental problems.

---

---

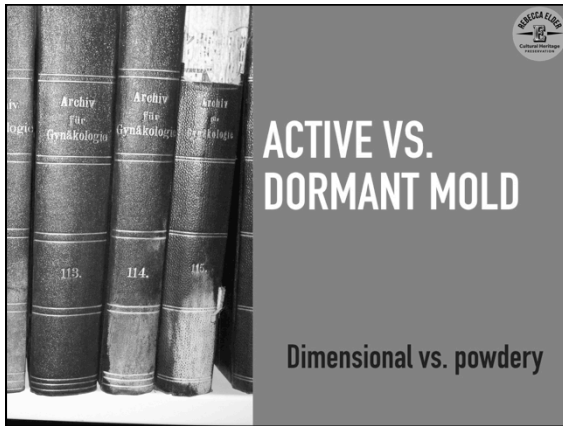
---

---

---

---

---



---

---

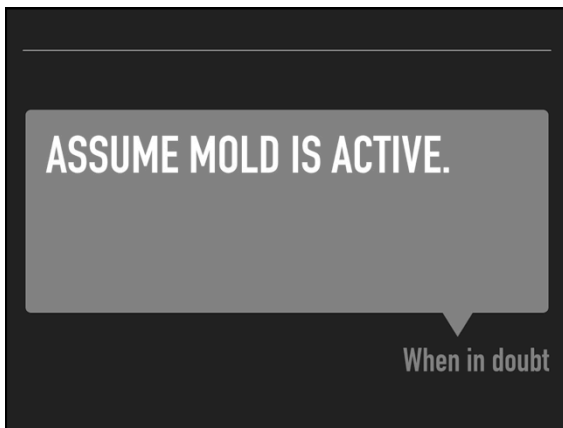
---

---

---

---

---



---

---

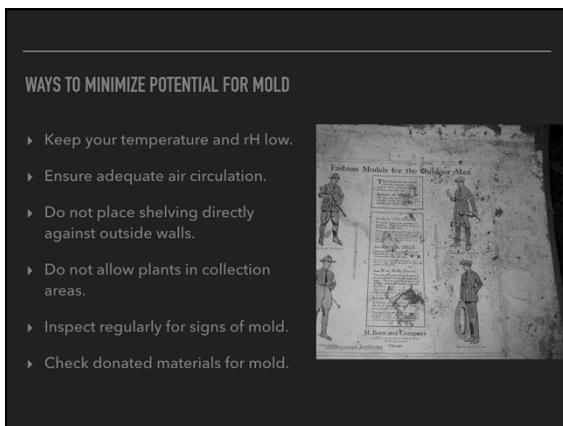
---

---

---

---

---



---

---

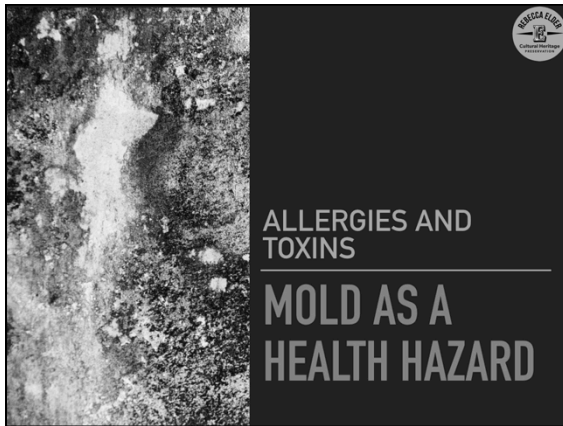
---

---

---

---

---



---

---

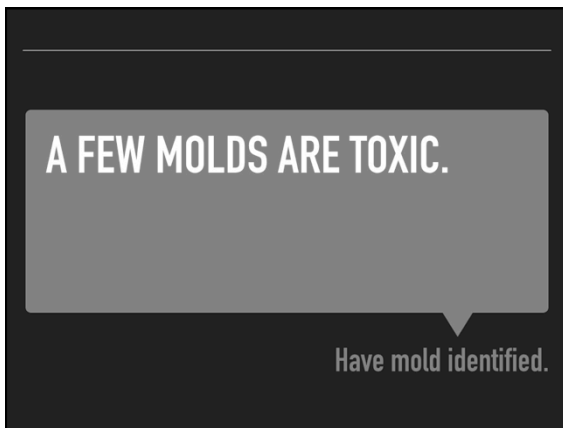
---

---

---

---

---



---

---

---

---

---

---

---



---

---

---

---

---

---

---



---

---

---

---

---

---

---

### OTHER PROTECTIVE GEAR

- ▶ Always wear nitrile gloves when handling moldy materials.
- ▶ Cover your hair with a shower cap.
- ▶ Wear clothing you can take off immediately and wash in hot water with bleach.
- ▶ Consider protective eyewear.
- ▶ Throw disposable gear away at the end of the day.



KOchstud10

---

---

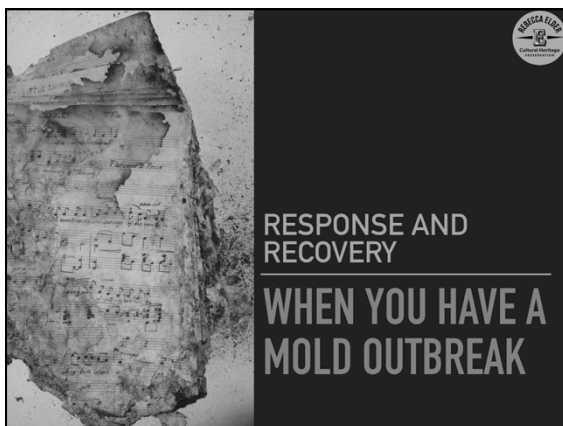
---

---

---

---

---



---

---

---

---

---

---

---

**LOCATE THE SOURCE OF  
RELATIVE HUMIDITY...**

... and solve the problem.

---

---

---

---

---

---

---



**FREEZE WET  
MATERIAL.**

Put the problem on hold.




---

---

---

---

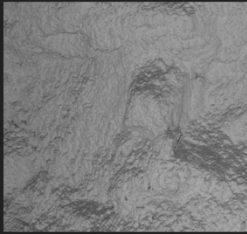
---

---

---

**CLEANING YOUR SPACE**

- › HVAC systems and carpets should be cleaned by professionals.
- › You may be called upon to clean shelving and walls.
- › Use a solution of isopropyl (rubbing) alcohol and water, bleach and water or liquid Lysol and water.
- › Clean all surfaces of shelves.
- › Allow to dry at least overnight.
- › Monitor your temperature and relative humidity.




---

---

---

---

---

---

---



---

---

---

---

---

---

---



---

---

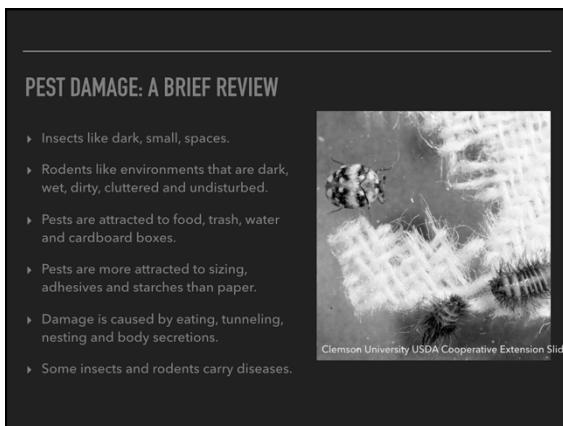
---

---

---

---

---



---

---

---

---

---

---

---



---

---

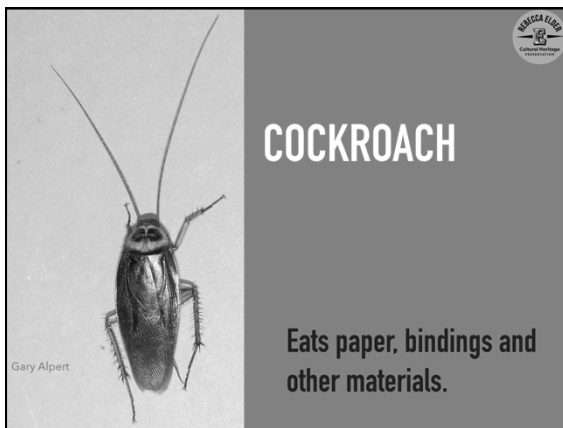
---

---

---

---

---



---

---

---

---

---

---

---



---

---

---

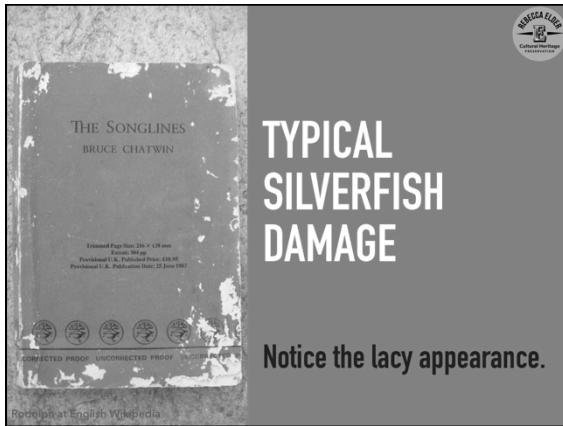
---

---

---

---





---

---

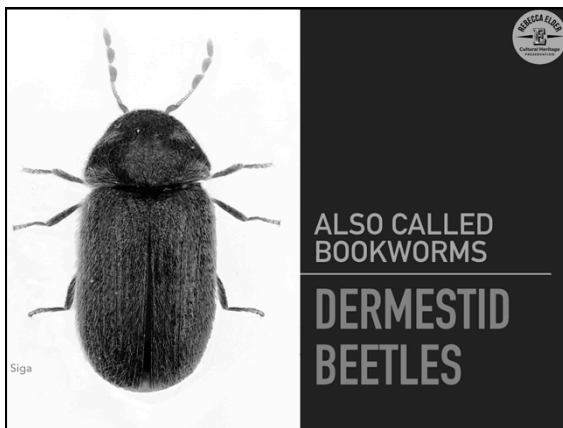
---

---

---

---

---



---

---

---

---

---

---

---



---

---

---

---

---

---

---



---

---

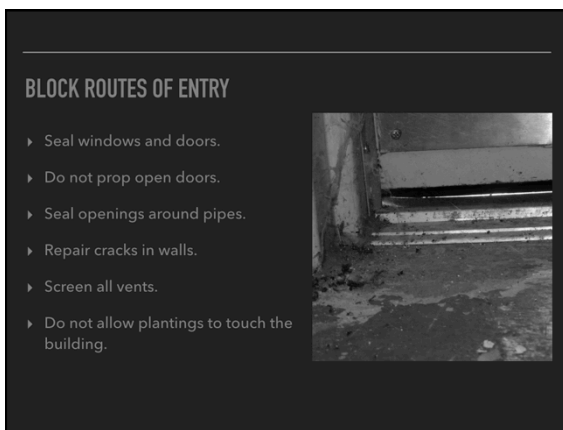
---

---

---

---

---



---

---

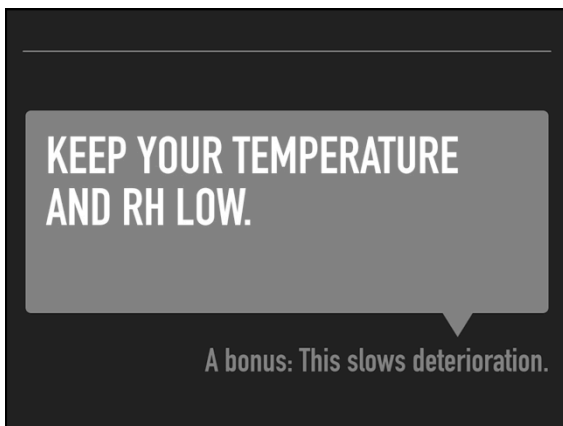
---

---

---

---

---



---

---

---

---

---

---

---



**RESTRICT FOOD, DRINK AND PLANTS IN WORK AREAS.**

Eliminate unnecessary food sources.




---

---

---

---


---

---

---

**GOOD HOUSEKEEPING IS KEY**

- ▶ Clean floors at least weekly.
- ▶ Clean stacks as often as required to keep them dust free.
- ▶ Replace filters in your HVAC system as needed.
- ▶ No food or drink in collections areas.
- ▶ Locate trash cans outside of collection areas.
- ▶ Do not save corrugated cardboard boxes




---

---

---

---


---

---

---

**MONITORING FOR PESTS**

- ▶ Identify possible draws for insects on a floor plan.
- ▶ Look for likely routes and mark where you will place traps.
- ▶ Put traps in place. Don't forget to date them.
- ▶ Inspect regularly, recording what is found on each trap.
- ▶ If no insects are found, relocate the traps.



gaylord.com

---

---

---

---

---

---

---



---

---

---

---

---

---

---



---

---

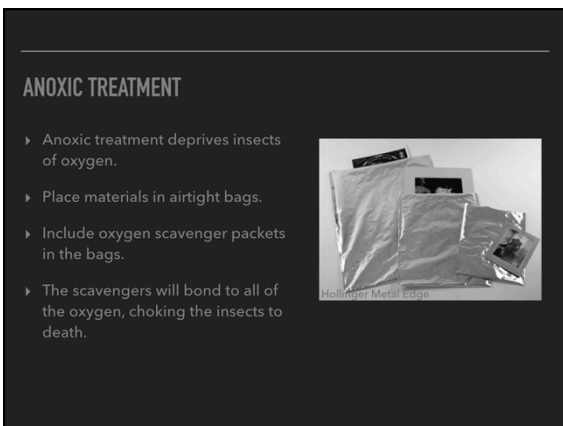
---

---

---

---

---



---

---

---

---

---

---

---

### QUARANTINE DONATIONS

- Do not allow donated collections near your storage until you know they are pest free.
- Immediately remove donations from packing materials and inspect packing for evidence of infestation.
- Also inspect donations themselves.
- Quarantine for at least 72 hours, or until inspection is done, whichever comes last.
- Talk with a conservator about evidence of infestation.




---

---

---

---

---

---

---

**DAMAGE FROM BIOLOGICAL  
AGENTS IS QUICK, CATASTROPHIC  
AND IRREVERSIBLE.**

*Prevent infestations instead of treating them.*

---

---

---

---

---

---

---

### RESOURCES

- MuseumPests.net
- National Park Service Conserve-o-Grams
- NEDCC Preservation Leaflets
- National Park Service Museum Handbook
- AIC Health and Safety Wiki




---

---

---

---

---

---

---

THANK YOU!

▶ Let's stay in touch!

▶ [rebecca@elderpreservation.com](mailto:rebecca@elderpreservation.com)

▶ [www.elderpreservation.com](http://www.elderpreservation.com)

▶ THC Museum Services

▶ Laura Casey  
([laura.casey@thc.state.tx.us](mailto:laura.casey@thc.state.tx.us))

▶ Tricia Blakistone  
([tricia.blakistone@thc.state.tx.us](mailto:tricia.blakistone@thc.state.tx.us))



---

---

---

---

---

---

---